OH531A-1500-1650



Features

- Embedded stripline design
- High isolation up to 20dB
- Low insertion loss of 0.35dB
- Broad operating temperature range from -40 to +85°C
- High power handling capability up to 100W

Description

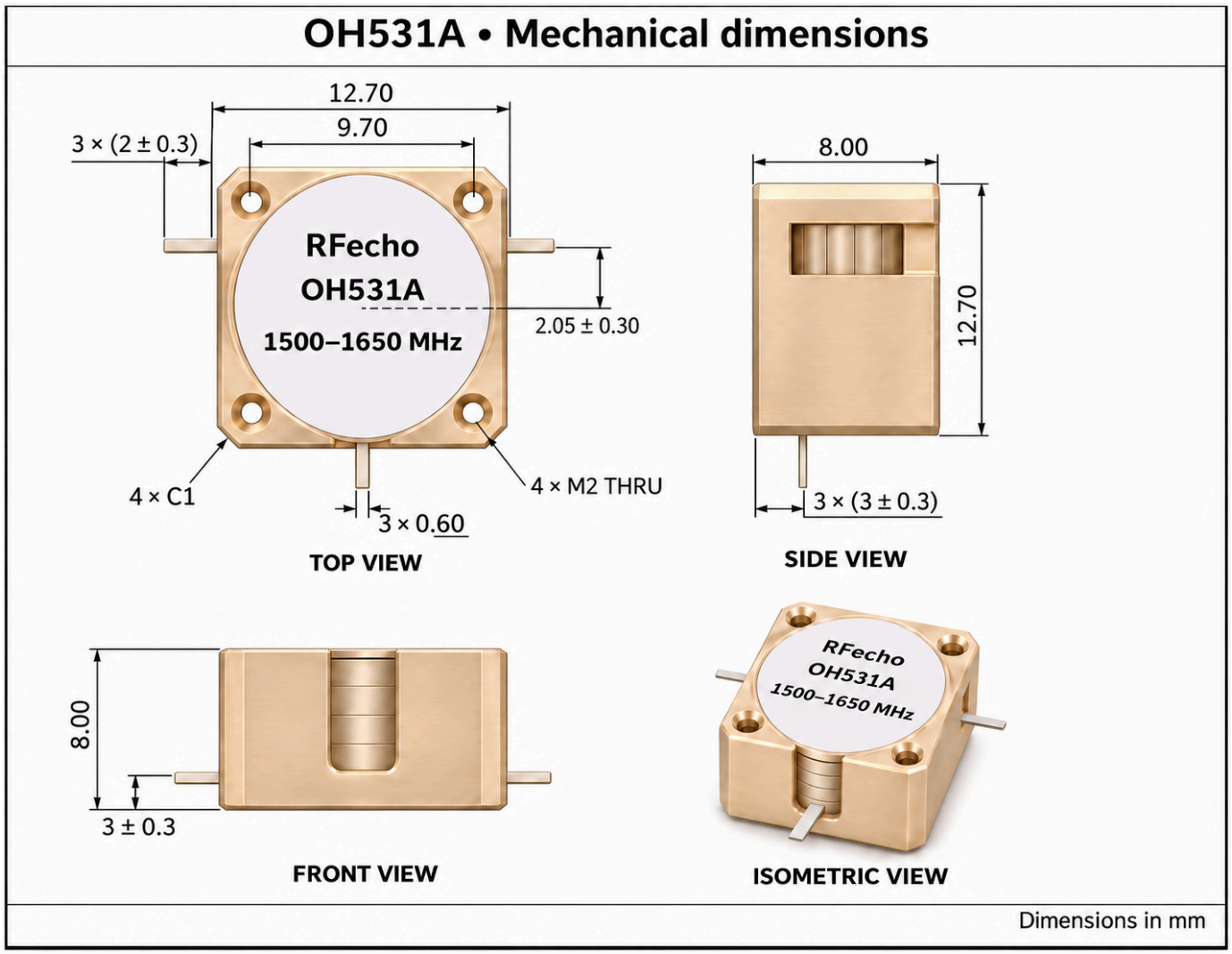
The product named OH531A-1500-1650 is a high-performance embedded circulator designed for telecommunications applications, featuring robust performance and reliable signal isolation.

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Technical indicators

Size Spec	Part Number	Freq. (MHz)	Return Loss (dB)	Isolation (dB)	Insertion Loss (dB)	IMD3 (dBc)	Power (W)	Operating Temp (°C)
0.5inch	OH531A	1500-1650	20	20	0.35	-60 2*10W	100	-40 ~ 85

Mechanical dimensions



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Performance illustrations

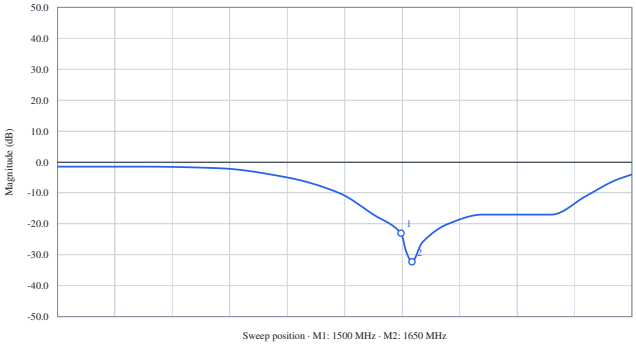
Frequency-mapped illustrations

S11 · Log magnitude

10 dB/div · Reference 0 dB

M1 1.500 GHz -22.9990 dB

M2 1.650 GHz -32.2540 dB



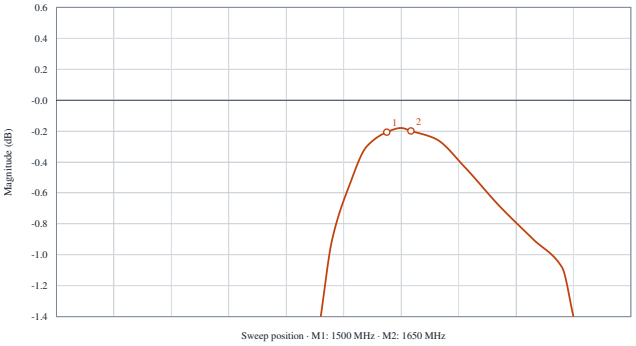
Sweep position · M1: 1500 MHz · M2: 1650 MHz

S21 · Log magnitude

0.2 dB/div · Reference 0 dB

M1 1.500 GHz -0.2069 dB

M2 1.650 GHz -0.1990 dB



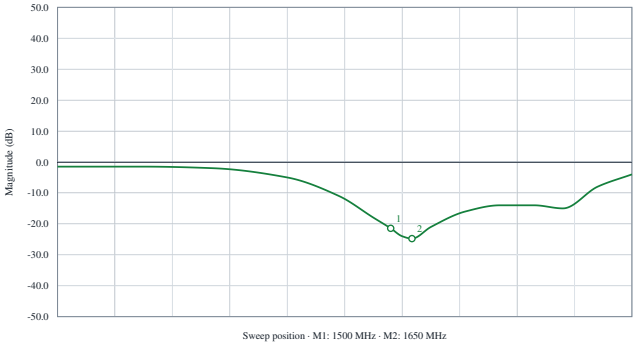
Sweep position · M1: 1500 MHz · M2: 1650 MHz

S22 · Log magnitude

10 dB/div · Reference 0 dB

M1 1.500 GHz -21.4400 dB

M2 1.650 GHz -24.7660 dB



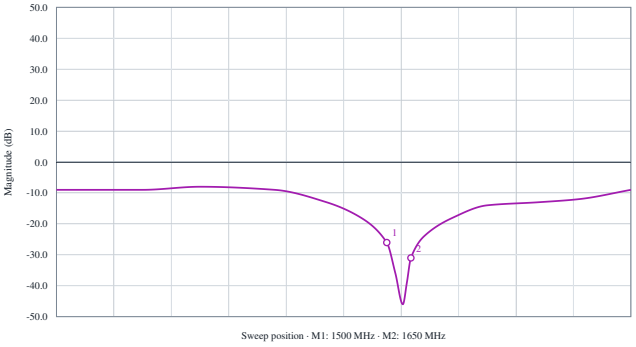
Sweep position · M1: 1500 MHz · M2: 1650 MHz

S12 · Log magnitude

10 dB/div · Reference 0 dB

M1 1.500 GHz -26.0390 dB

M2 1.650 GHz -31.0090 dB



Sweep position · M1: 1500 MHz · M2: 1650 MHz